

QCD calculation of the inelastic $Q\bar{Q} - h$ cross sections

F. Arleo, P.-B. Gossiaux, T. Gousset, and J. Aichelin^a

^aSUBATECH

*Laboratoire de Physique Subatomique et des Technologies Associées
UMR Université de Nantes, IN2P3/CNRS, Ecole des Mines de Nantes
4, rue Alfred Kastler, F-44070 Nantes Cedex 03, France.*

Presented by: François Arleo

Abstract

The energy dependence of the inelastic cross sections of heavy quarkonia $Q\bar{Q}$ with light hadrons are presented. The calculations have been carried out within the Operator Product Expansion techniques. These include finite target mass corrections. The knowledge of these cross sections are a necessary tool to estimate the contribution from the comovers to the nuclear dependence of quarkonium production. First numerical results employing the NeXus model are discussed.
